Basic Statistics for the Behavioral Sciences

PSY 3020, Summer 2011
MTWR 10:10 am – 12:30 pm, PH 205

Instructor: **Dr. Dana K. Fuller**
Office Location: Jones Hall 353
Office Hours: MTWR 12:30 – 1:30
E-mail: dkfuller@mtsu.edu
Website: www.mtsu.edu/~dkfuller

Note. I reserve the right to correct any errors on or omissions from the syllabus.

Course Material: Copies of the lecture notes may be downloaded from my website (www.mtsu.edu/~dkfuller). You are required to bring the notes to class with you. It also is useful to bring a calculator to class, but it does not have to be an expensive calculator.

Recommended Textbook: Frederick J. **Gravetter** and Larry B. **Wallnau** have written textbooks that many students find readable. *Essentials of Statistics for the Behavioral Sciences* covers the material that we will cover in this course. Their other book, *Statistics for the Behavioral Sciences*, also covers the material. The particular edition you purchase is not that important. You are not required to purchase the textbook.

Grading Policy

Grades will be posted on D2L.

A	=	360+ points		D+	=	272 to 279 points
B+	=	352 to 359 points		D	=	248 to 271 points
B	=	328 to 351 points		D-	=	240 to 247 points
B-	=	320 to 327 points		F	=	0 to 239 points
C+	=	312 to 319 points				
C	=	288 to 311 points				
C-	=	280 to 287 points				

Final grades are based on the best four of your five exam scores *(100 points max. per exam).*

- Exams must be taken on the specified exam dates and times. A missed exam is assigned a score of 0.
- MTSU Student IDs will be checked on exam days.
- A calculator*, **a hand-written**, one page 'cheat sheet' (8.5"x11", double-sided), and pencils or ink pens are permitted during the exams. You may not borrow another person's calculator or cheat sheet during exams.
  *Communication devices (e.g., cell phones, blackberries) are not permitted.

Academic Misconduct

Each student is expected to do his or her own work. Students caught engaging in academic misconduct (plagiarism, cheating, fabrication, or facilitation) will be given an ***F*** **for the course**. As well, the academic misconduct will be reported to the university authorities. MTSU's Judicial Affairs has prepared a handout about academic integrity that defines it and provides examples of what is considered academic misconduct (http://www.mtsu.edu/~judaff/ainews.pdf). You are expected to read it.

Attendance
Attendance is not required, but you are responsible for all information given in class.

Accommodations
Students who may need assistance or accommodation for testing, note takers, readers, etc. should contact the Office of Disabled Student Services (615-898-2783). After I have received official notification from the Office of Disabled Student Services, I will make the necessary accommodations within a reasonable amount of time.

Classroom Behavior
I ask students to be considerate of others.

- Change cell phones to vibrate or silent mode.
- Do not engage in personal conversations during class unless the class is engaged in small group activities and your group has finished the task at hand.
- Treat each other courteously.

Tentative Schedule of Events

Monday – 6th Introduction to Statistics	**Tuesday – 7th** Graphs & Frequency Tables Central Tendency	**Wednesday – 8th** Variability Z Scores	**Thursday – 9th** Distribution of Sample Means **The last day to drop without a grade is today.**
Monday –13th Exam 1	**Tuesday – 14th** Hypothesis Testing	**Wednesday – 15th** Hypothesis Testing One Sample *t* Test	**Thursday – 16th** Related Samples *t* Test Independent Samples *t* Tests
Monday – 20th Exam 2	**Tuesday – 21st** One-Way ANOVA	**Wednesday – 22nd** One-Way ANOVA	**Thursday – 23rd** Two-Way ANOVA **The last day to drop is Saturday, June 25th.**
Monday – 27th Exam 3	**Tuesday – 28th** Correlation	**Wednesday – 29th** Regression	**Thursday – 30th** Chi-Square Tests
Monday – 4th NO CLASSES	**Tuesday – 5th** Catch-up day	**Wednesday – 6th** Exam 4	**Thursday – 7th** Comprehensive Exam 5